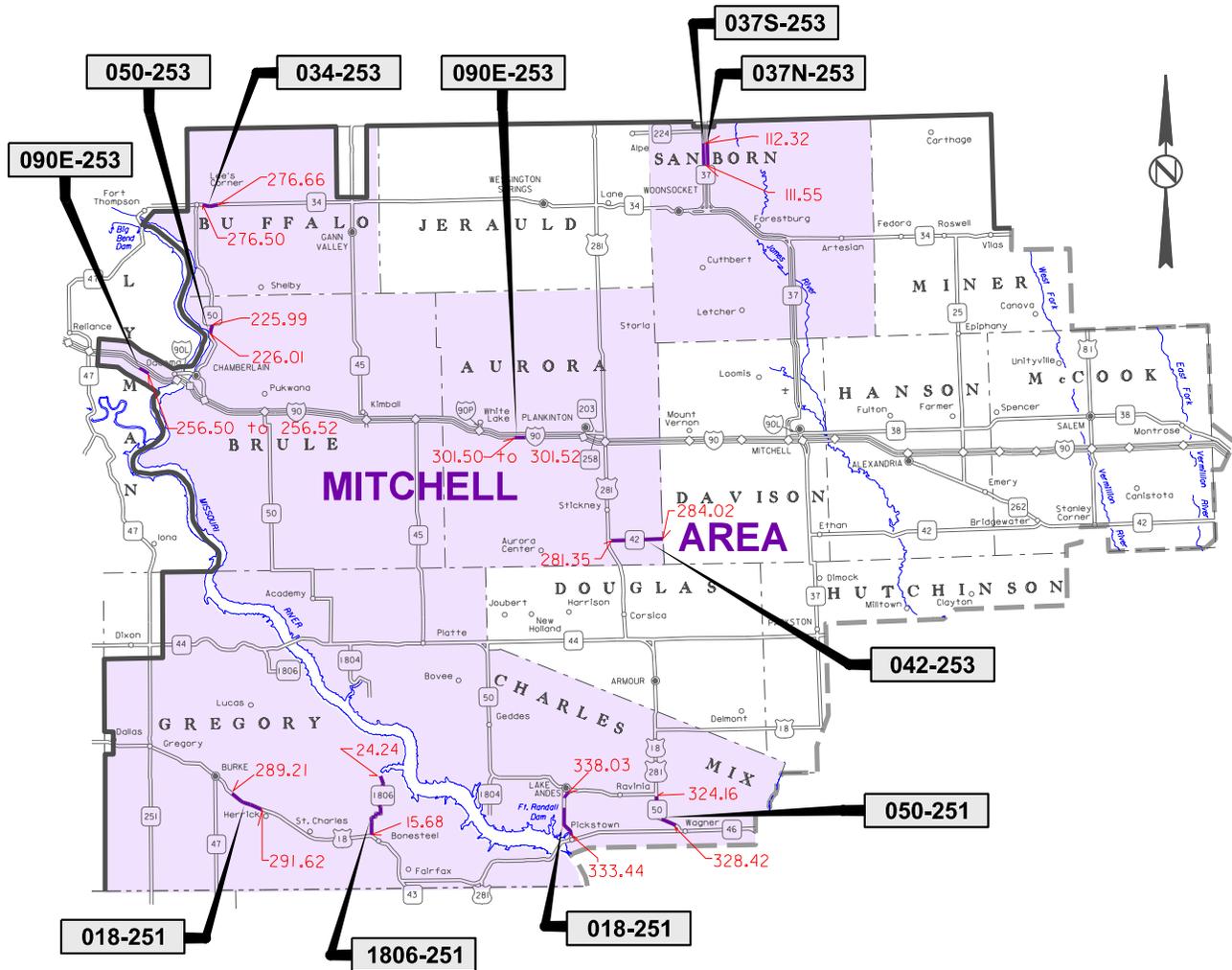


**STATE OF SOUTH DAKOTA
DEPARTMENT OF TRANSPORTATION
PLANS FOR PROPOSED**

**PROJECTS 018-251, 050-251, 1806-251 042-253,
037N-253, 037S-253, 090E-253, 090E-253, 050-253 & 034-253
AURORA, BRULE, BUFFALO, CHARLES MIX,
GREGORY, LYMAN & SANBORN COUNTIES
SPOT ASPHALT CONCRETE RESURFACING
PCN I53D, I53E, I53F, I53G, I53H, I53J, I53K, I53L, I53M & I53N**



018-251 ADT (2017) 944
050-251 ADT (2017) 1,427
1806-251 ADT (2017) 150
042-253 ADT (2017) 167
037N/S-253 ADT (2017) 1,489
090E-253 ADT (2017) 4,246
050-253 ADT (2017) 947
034-253 ADT (2017) 466

STORM WATER PERMIT
(None required)

INDEX OF SHEETS

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Sheets 3 & 4	Estimate of Quantities
Sheets 5 - 7	Environmental Commitments & Plan Notes
Sheets 8 & 9	Tables of Spot Asphalt Concrete Resurfacing

ESTIMATE OF QUANTITIES

018-251 PCN I53D

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
009E0010	Mobilization	Lump Sum	LS
320E1200	Asphalt Concrete Composite	697.0	Ton

050-251 PCN I53E

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
009E0010	Mobilization	Lump Sum	LS
320E1200	Asphalt Concrete Composite	115.0	Ton

1806-251 PCN I53F

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
009E0010	Mobilization	Lump Sum	LS
320E1200	Asphalt Concrete Composite	181.0	Ton

042-253 PCN I53G

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
009E0010	Mobilization	Lump Sum	LS
320E1200	Asphalt Concrete Composite	131.0	Ton

037N-253 PCN I53H

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
009E0010	Mobilization	Lump Sum	LS
320E1200	Asphalt Concrete Composite	28.0	Ton

037S-253 PCN I53J

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
009E0010	Mobilization	Lump Sum	LS
320E1200	Asphalt Concrete Composite	18.0	Ton

018-251, 050-251, 1806-251, 042-253, 037N-253, 037S-253, 090E-253, 090E-253, 050-253, & 034-253
 AURORA, BUFFALO, BRULE, CHARLES MIX, DOUGLAS, GREGORY, LYMAN & SANBORN COUNTIES

090E-253 PCN I53K

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
009E0010	Mobilization	Lump Sum	LS
320E1200	Asphalt Concrete Composite	26.0	Ton

090E-253 PCN I53L

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
009E0010	Mobilization	Lump Sum	LS
320E1200	Asphalt Concrete Composite	15.0	Ton

050-253 PCN I53M

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
009E0010	Mobilization	Lump Sum	LS
320E1200	Asphalt Concrete Composite	22.0	Ton

034-253 PCN I53N

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
009E0010	Mobilization	Lump Sum	LS
320E1200	Asphalt Concrete Composite	113.0	Ton

SPECIFICATIONS

Standard Specifications for Roads and Bridges, 2015 Edition and Required Provisions, Supplemental Specifications and Special Provisions as included in the Proposal.

ENVIRONMENTAL COMMITMENTS

The SDDOT is committed to protecting the environment and uses Section A Environmental Commitments as a communication tool for the Engineer and Contractor to ensure that attention is given to avoid, minimize, and/or mitigate an environmental impact. Environmental commitments to various agencies and the public have been made to secure approval of this project. An agency with permitting authority can delay a project if identified environmental impacts have not been adequately addressed. Unless otherwise designated, the Contractor's primary contact regarding matters associated with these commitments will be the Project Engineer. These environmental commitments are not subject to change without prior written approval from the SDDOT Environmental Office.

Additional guidance on SDDOT's Environmental Commitments can be accessed through the Environmental Procedures Manual found at: <http://www.sddot.com/resources/Manuals/EnvironProcManual.pdf>

For questions regarding change orders in the field that may have an effect on an Environmental Commitment, the Project Engineer will contact the Environmental Office at 605-773-3098 or 605-773-4336 to determine whether an environmental analysis and/or resource agency coordination is necessary.

COMMITMENT B: FEDERALLY THREATENED, ENDANGERED, AND PROTECTED SPECIES

COMMITMENT B2: WHOOPING CRANE

The Whooping Crane is a spring and fall migratory bird in South Dakota that is about 5 feet tall and typically stops on wetlands, rivers, and agricultural lands along their migration route. An adult Whooping Crane is white with a red crown and a long, dark, pointed bill. Immature Whooping Cranes are cinnamon brown. While in flight, their long necks are kept straight and their long dark legs trail behind. Adult Whooping Cranes' black wing tips are visible during flight.

Action Taken/Required:

Harassment or other measures to cause the Whooping Crane to leave the site is a violation of the Endangered Species Act. If a Whooping Crane is sighted roosting in the vicinity of the project, borrow pit, or staging site associated with the project, cease construction activities in the affected area until the Whooping Crane departs and contact the Project Engineer. The Project Engineer will contact the Environmental Office so that the sighting can be reported to USFWS.

COMMITMENT C: WATER SOURCE

The Contractor will not withdraw water with equipment previously used outside the State of South Dakota or previously used in aquatic invasive species waters within South Dakota without prior approval from the SDDOT Environmental Office. Thoroughly wash all construction equipment to prevent and control the introduction and spread of invasive species into the project vicinity.

The Contractor will not withdraw water directly from streams of the James, Big Sioux, and Vermillion watersheds without prior approval from the SDDOT Environmental Office.

Action Taken/Required:

The Contractor will obtain the necessary permits from the regulatory agencies such as the South Dakota Department of Environment and Natural Resources (DENR) and the United States Army Corps of Engineers (USACE) prior to water extraction activities.

Additional information and mapping of Aquatic Invasive Species in South Dakota can be accessed at: <http://sdleastwanted.com/maps/default.aspx>.

COMMITMENT E: STORM WATER

Construction activities constitute less than 1 acre of disturbance.

Action Taken/Required:

At a minimum and regardless of project size, appropriate erosion and sediment control measures must be installed to control the discharge of pollutants from the construction site.

COMMITMENT H: WASTE DISPOSAL SITE

The Contractor shall furnish a site(s) for the disposal of construction and/or demolition debris generated by this project.

Action Taken/Required:

Construction and/or demolition debris may not be disposed of within the Public ROW.

The waste disposal site(s) shall be managed and reclaimed in accordance with the following from the General Permit for Construction/Demolition Debris Disposal Under the South Dakota Waste Management Program issued by the Department of Environment and Natural Resources.

The waste disposal site(s) shall not be located in a wetland, within 200 feet of surface water, or in an area that adversely affects wildlife, recreation, aesthetic value of an area, or any threatened or endangered species, as approved by the Project Engineer.

If the waste disposal site(s) is located such that it is within view of any ROW, the following additional requirements shall apply:

1. Construction and/or demolition debris consisting of concrete, asphalt concrete, or other similar materials shall be buried in a trench completely separate from wood debris. The final cover over the construction and/or demolition debris shall consist of a minimum of 1 foot of soil capable of supporting vegetation. Waste disposal sites provided outside of the Public ROW shall be seeded in accordance with Natural Resources Conservation Service recommendations. The seeding recommendations may be obtained through the appropriate County NRCS Office. The Contractor shall control the access to waste disposal sites not within the Public ROW through the use of fences, gates, and placement of a sign or signs at the entrance to the site stating No Dumping Allowed.
2. Concrete and asphalt concrete debris may be stockpiled within view of the ROW for a period of time not to exceed the duration of the project. Prior to project completion, the waste shall be removed from view of the ROW or buried and the waste disposal site reclaimed as noted above.

The above requirements will not apply to waste disposal sites that are covered by an individual solid waste permit as specified in SDCL 34A-6-58, SDCL 34A-6-1.13, and ARSD 74:27:10:06.

Failure to comply with the requirements stated above may result in civil penalties in accordance with South Dakota Solid Waste Law, SDCL 34A-6-1.31.

Cost associated with furnishing waste disposal site(s), disposing of waste, maintaining control of access (fence, gates and signs), and reclamation of the waste disposal site(s) shall be incidental to the various contract items.

COMMITMENT I: HISTORICAL PRESERVATION OFFICE CLEARANCES

State Historical Preservation Office (SHPO or THPO) concurrence has not been obtained for this project.

Action Taken/Required:

All earth disturbing activities require review of cultural resources impacts. This work includes, but is not limited to: Contractor furnished material sources, material processing sites, stockpile sites, storage areas, plant sites, and waste areas.

The Contractor will arrange and pay for a record search and when necessary, a cultural resource survey. The Contractor has the option to contact the state Archaeological Research Center (ARC) at 605-394-1936 or another qualified archaeologist, to obtain either a records search or a cultural resources survey. A record search might be sufficient for review if the site was previously surveyed; however, a cultural resources survey may need to be conducted by a qualified archaeologist.

The Contractor will provide ARC with the following: a topographical map or aerial view of which the site is clearly outlined, site dimensions, project number, and PCN. If applicable, provide evidence that the site has been previously disturbed by farming, mining, or construction activities with a landowner statement that artifacts have not been found on the site.

The Contractor will submit the cultural resources survey report to SDDOT Environmental Office, 700 East Broadway Avenue, Pierre, SD 57501-2586. SDDOT will submit the information to the appropriate SHPO/THPO. Allow 30 Days from the date this information is submitted to the Environmental Engineer for SHPO/THPO review.

COMMITMENT I: HISTORICAL PRESERVATION OFFICE CLEARANCES (CONTINUED)

In the event of an inadvertent discovery of human remains, funerary objects, or if evidence of cultural resources is identified during project construction activities, then such activities will immediately cease and the Project Engineer will be immediately notified. The Project Engineer will contact the SDDOT Environmental Office to determine an appropriate course of action.

The Contractor is responsible for obtaining any additional permits and clearances for Contractor furnished material sources, material processing sites, stockpile sites, storage areas, plant sites, and waste areas that affect wetlands, threatened and endangered species, or waterways. The Contractor will not utilize a site known or suspected of having contaminated soil or water. The Contractor will provide the required permits and clearances to the Project Engineer at the preconstruction meeting.

GENERAL SCOPE OF WORK

Spot asphalt concrete resurfacing on various routes within the SDDOT Mitchell Area. See Tables in plans.

TRAFFIC CONTROL

All Traffic Control and Flagging will be provided by the SDDOT Maintenance Forces. The Engineer must be given a 48 hour notice before work is to begin on an individual route to coordinate the traffic control and flagging with the maintenance forces.

TABLES OF SPOT ASPHALT CONCRETE RESURFACING

Highway	MRM	DISP	MRM	DISP	Lane	Width	Length	Tons
US18	289.00	0.210	289.00	0.225	EB	12	79	9
US18	289.00	0.290	289.00	0.310	EB	12	106	12
US18	289.00	0.811	289.00	0.883	EB	24	380	42
US18	290.00	0.167	290.00	0.187	Both	24	106	23
US18	290.00	0.575	290.00	0.080	EB	12	153	17
US18	290.00	0.752	290.00	0.777	EB	12	132	15
US18	290.00	0.899	290.00	0.999	EB	12	528	59
US18	291.00	0.260	291.00	0.275	EB	12	79	9
US18	291.00	0.295	291.00	0.314	EB	12	100	11
US18	291.00	0.600	291.00	0.615	EB	12	79	9
US18	333.00	0.444	333.00	0.470	SB	12	137	15
US18	333.00	0.500	333.00	0.520	NB	12	106	12
US18	334.00	0.430	334.00	0.500	NB	12	370	41
US18	335.00	0.098	335.00	0.143	NB	12	238	26
US18	335.00	0.285	335.00	0.300	SB	12	79	9
US18	335.00	0.700	335.00	0.716	NB	12	84	9
US18	335.00	0.733	335.00	0.783	NB	12	264	29
US18	336.00	0.130	336.00	0.145	NB	12	79	9
US18	336.00	0.237	336.00	0.257	Both	24	106	23
US18	336.00	0.344	336.00	0.360	NB	12	84	9
US18	337.00	0.040	337.00	0.075	NB	12	185	21
US18	337.00	0.075	337.00	0.196	Both	24	639	142
US18	337.00	0.296	337.00	0.332	NB	12	190	21
US18	337.00	0.332	337.00	0.366	SB	12	180	20
US18	337.00	0.402	337.00	0.471	SB	12	364	40
US18	337.00	0.431	337.00	0.471	NB	12	211	23
US18	337.00	0.870	337.00	0.890	SB	12	106	12
US18	337.00	0.975	338.00	0.025	NB	12	264	30
018-251 Total Tons								697

Highway	MRM	DISP	MRM	DISP	Lane	Width	Length	Tons
SD50	324.00	0.160	324.00	0.200	NB	12	211	23
SD50	324.00	0.955	324.00	0.999	NB	12	232	26
SD50	327.00	0.906	327.00	0.999	SB	12	491	55
SD50	328.00	0.397	328.00	0.415	SB	12	95	11
050-251 Total Tons								115

Highway	MRM	DISP	MRM	DISP	Lane	Width	Length	Tons
SD50	225.00	0.990	226.00	0.009	Both	24	100	22
050-253 Total Tons								22

TABLES OF SPOT ASPHALT CONCRETE RESURFACING (CONTINUED)

Highway	MRM	DISP	MRM	DISP	Lane	Width	Length	Tons
SD1806	15.00	0.680	15.00	0.695	Both	24	79	23
SD1806	15.00	0.870	15.00	0.935	NB	12	343	52
SD1806	16.00	0.838	16.00	0.851	NB	12	69	10
SD1806	17.00	0.424	17.00	0.448	NB	12	127	19
SD1806	18.00	0.636	18.00	0.649	NB	12	69	10
SD1806	24.00	0.192	24.00	0.235	Both	24	227	67
1806-251 Total Tons								181

Highway	MRM	DISP	MRM	DISP	Lane	Width	Length	Tons
SD42	281.00	0.350	281.00	0.378	WB	12	150	17
SD42	282.00	0.910	282.00	0.921	Both	24	60	13
SD42	283.00	0.500	283.00	0.028	Both	24	150	33
SD42	283.00	0.950	283.00	0.961	Both	24	60	13
SD42	284.00	0.310	284.00	0.038	Both	24	150	33
SD42	284.00	0.900	284.00	0.019	Both	24	100	22
042-253 Total Tons								131

Highway	MRM	DISP	MRM	DISP	Lane	Width	Length	Tons
SD37	111.00	0.554	111.00	0.569	NB Passing	12	50	6
SD37	112.00	0.301	111.00	0.320	NB Passing	12	100	11
SD37	112.00	0.301	111.00	0.320	NB Driving	12	100	11
037N-253 Total Tons								28

Highway	MRM	DISP	MRM	DISP	Lane	Width	Length	Tons
SD37	111.00	0.554	111.00	0.569	SB Passing	12	80	9
SD37	111.00	0.554	111.00	0.569	SB Driving	12	80	9
037S-253 Total Tons								18

Highway	MRM	DISP	MRM	DISP	Lane	Width	Length	Tons
I-90 EB	256.00	0.500	256.00	0.519	EB All Lanes	28	100	26
I-90 EB	301.00	0.500	301.00	0.515	EB On Ramp	20	80	15
090 E-253 Total Tons								41

Highway	MRM	DISP	MRM	DISP	Lane	Width	Length	Tons
SD34	276.00	0.500	276.00	0.539	Both	24	205	46
SD34	276.00	0.600	276.00	0.657	Both	24	300	67
034-253 Total Tons								113

These quantities and locations are based on 1.5" depth. Final locations and dimensions shall be marked by the Engineer and are subject to change.